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SUBJECT: Viewer and Light Table Requirements of HTAUTOMAT

Telereader (modified). 1 each.

Magnetic reading heads to be used with the Mann comparator. These heads and above items are to be purchased from the Telecomputing Corporation, North Hollywood, California. 2 each.

Mistri Stereocomparator complete with either Olivetti read-out equipment or telecomputing equipment which will give equivalent read out. 1 each.

8,192-word memory unit to replace present 4,096-word unit, on an exchange basis. Installation of the pre-select command with one-word buffer, high-speed paper tape reader and punch and additional flexowriter, modified to operate with the Alvac III-E computer for off-line use with the high-speed reader and punch, and for use with a spare in the event of break-down of the flexowriter being used on the computer. (This will be purchased from the Alvac Corporation, Hawthorne, California).

Binocular microscopes, American Optical (cycloptic), for direct high-power magnification of stereo photography. Filar micrometers and/or other XY measuring devices should be provided for the cycloptic microscope. 10 each.

Photo composer. 1 each

Electromagnetic plane coordinate plotter (Benson-Lehner). 1 each.

Boscar measuring unit, adapted for 70mm film (Benson-Lehner Corporation, Hollywood, California). 1 each.

Electronic rectifier for 70mm photography, including tracker. 1 each.

Equipment for 70mm stereo projection.

High-quality photographic reduction equipment for reducing 9" and 18" photography to 70mm film.

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Bausch and Lomb stereo microscopes for measuring depths,
adapted for wider base separation.

Modifications to Bausch and Lomb photomicrographic equipment.
Adaptations for roll film in the projection stage and also pos-
sibility of a theodolite horizontal circle for angle measurement.

2. Questions concerning technical details of this equipment
should be directed to either [REDACTED]

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ARTHUR C. LUNDAHL
Chief, Photo Intelligence Division

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